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Express Mail No. EV335522734US

Docket No.: 384938064US  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Manabe et al.

Application No.: 10/625,411

Confirmation No.: 8143

Filed: July 22, 2003

Art Unit: 2815

For: ACTIVE PIXEL CELL USING NEGATIVE  
TO POSITIVE VOLTAGE SWING  
TRANSFER TRANSISTOR

Examiner: Not Yet Assigned

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of only those references listed below is attached:

#### Other Documents

RAMASWAMI, S, et al., "Characterization of Pixel Response Time and Image Lag in CMOS Sensors", pages 1-4, Image Capture Operation, Motorola Inc., Chandler, AZ.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 384938064US.

Dated:

6/6/04

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/625,411-Conf. #8143
				Filing Date	July 22, 2003
				First Named Inventor	Sohei Manabe
				Art Unit	2815
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	384938064US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA**	US-5,869,857		02-09-1999	PAO-JUNG CHEN	
AB**	US-6,218,691		04-17-2001	IN SOOL CHUNG	
AC**	US-6,329,679		12-11-2001	SANG HOON PARK	
AD**	US-6,441,412		06-28-2001	Hoon-Sang Oh	
AE**	US-6,469,332		10-22-2002	VLADIMIR BEREZIN	
AF**	US-6,531,725		07-11-2002	Chi-Hsiang Lee	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
					T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CA	RAMASWAMI, S, et al., "Characterization of Pixel Response Time and Image Lag in CMOS Sensors", pages 1-4, Image Capture Operation, Motorola Inc., Chandler, AZ.				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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